

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

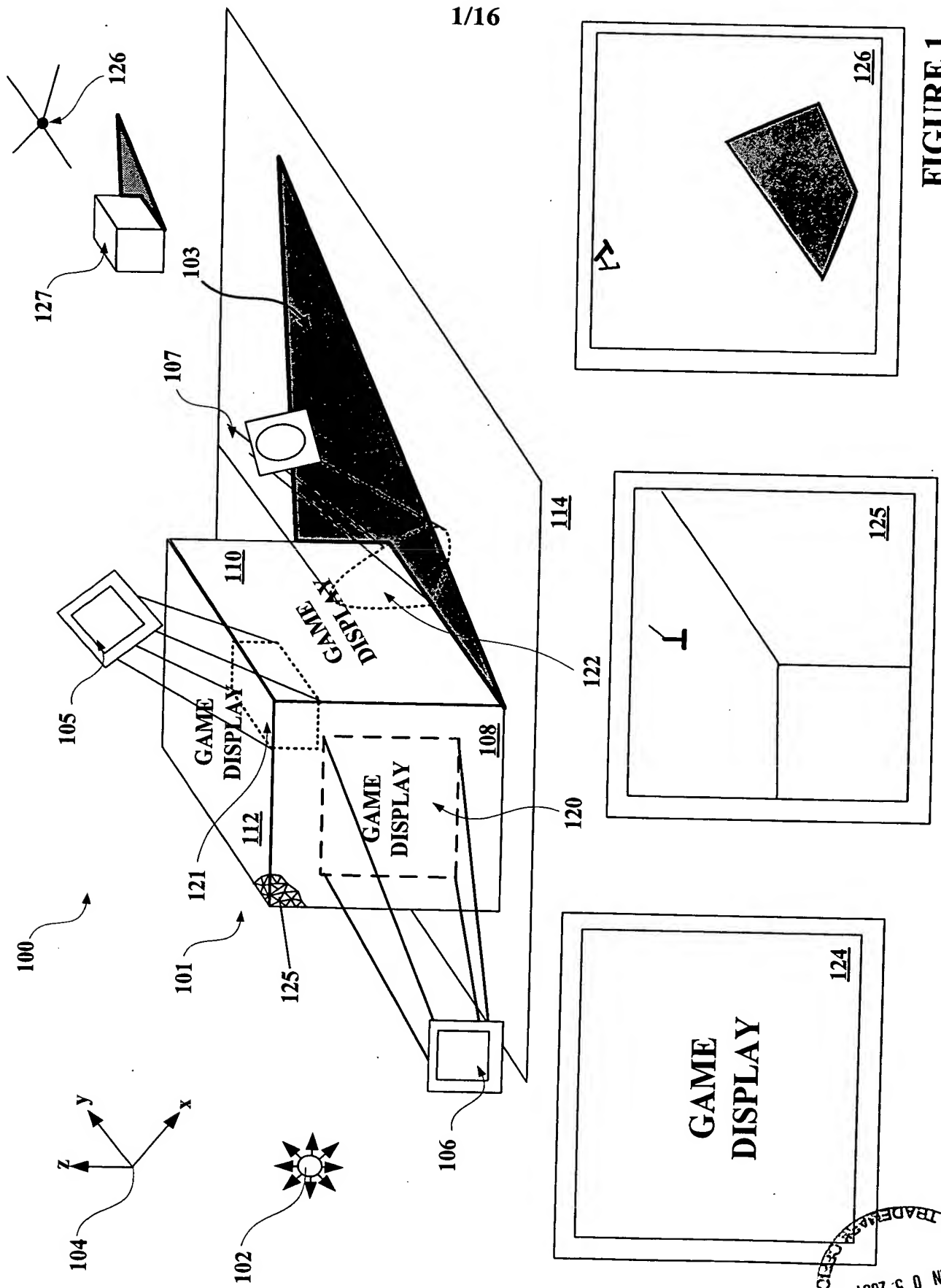
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

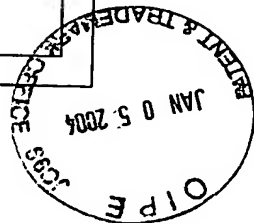
IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



1/16

FIGURE 1



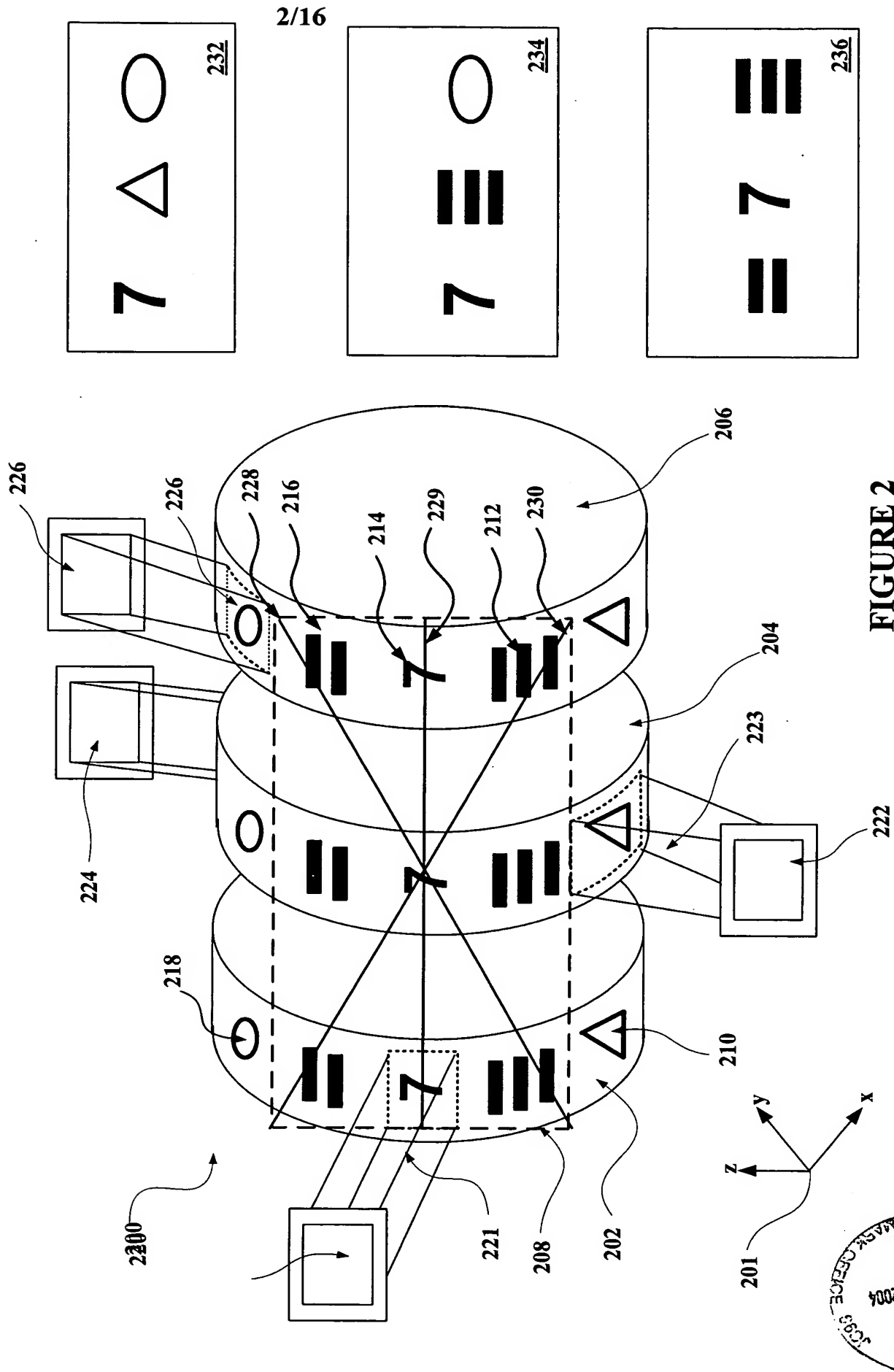


FIGURE 2

O I P E
 JAN 05 2004
 PATENT & TRADEMARK OFFICE

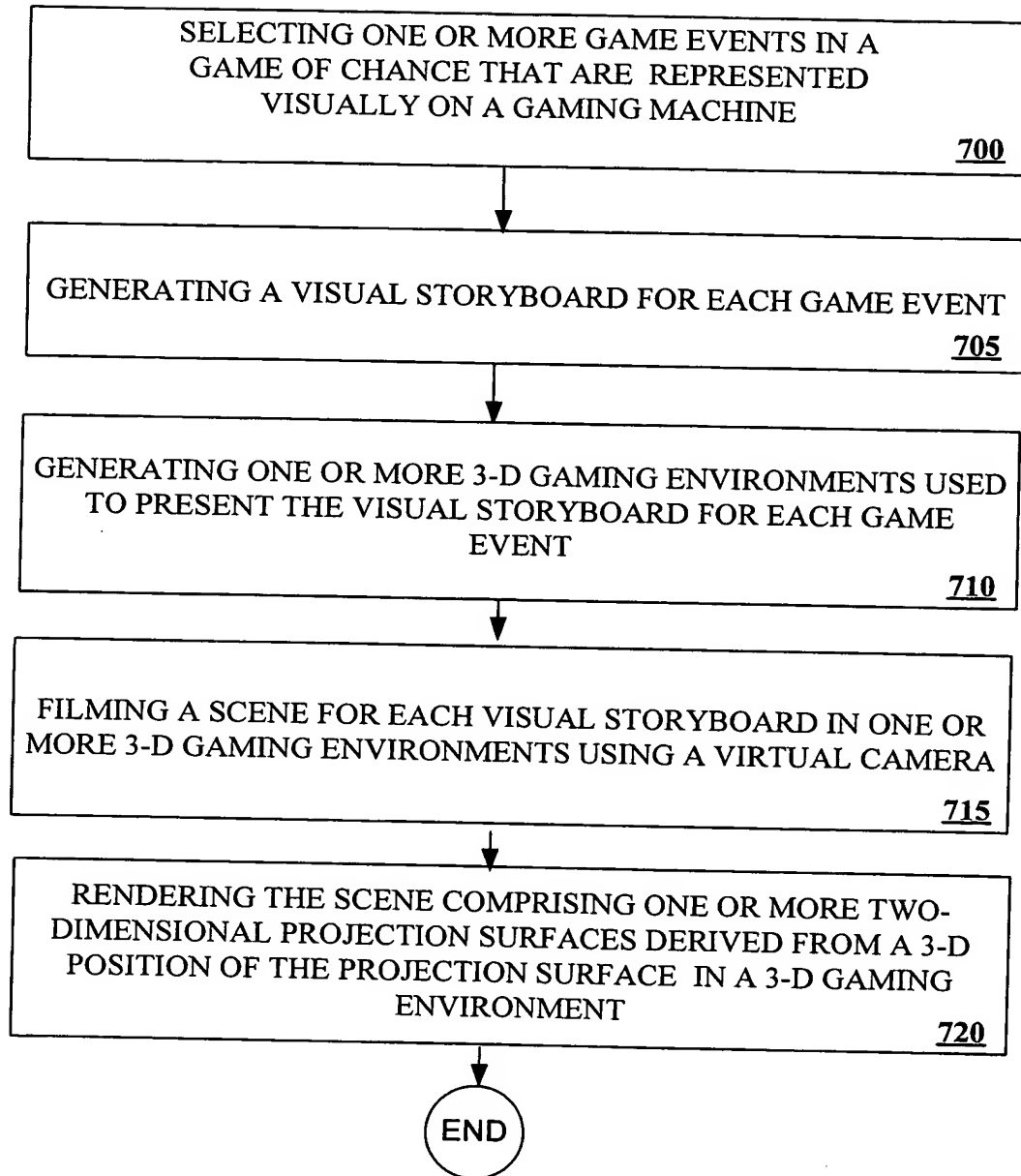


FIGURE 3



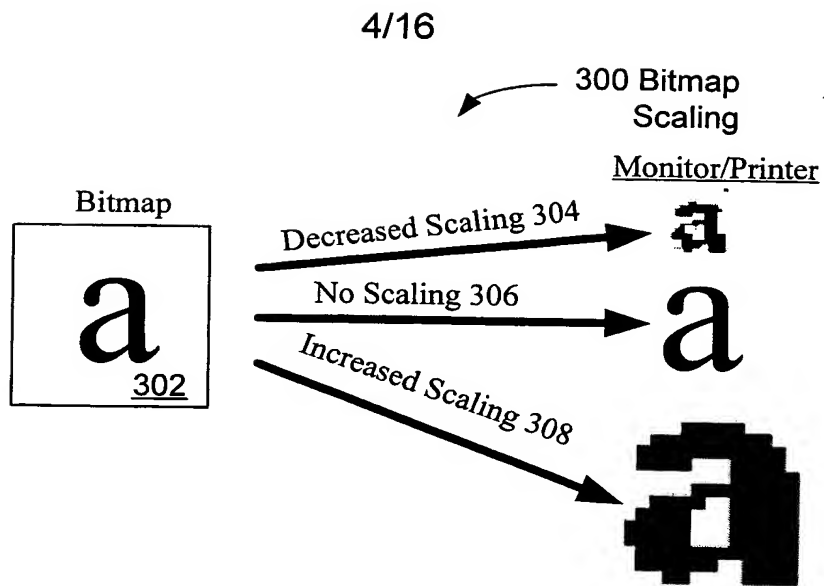


Figure 4A

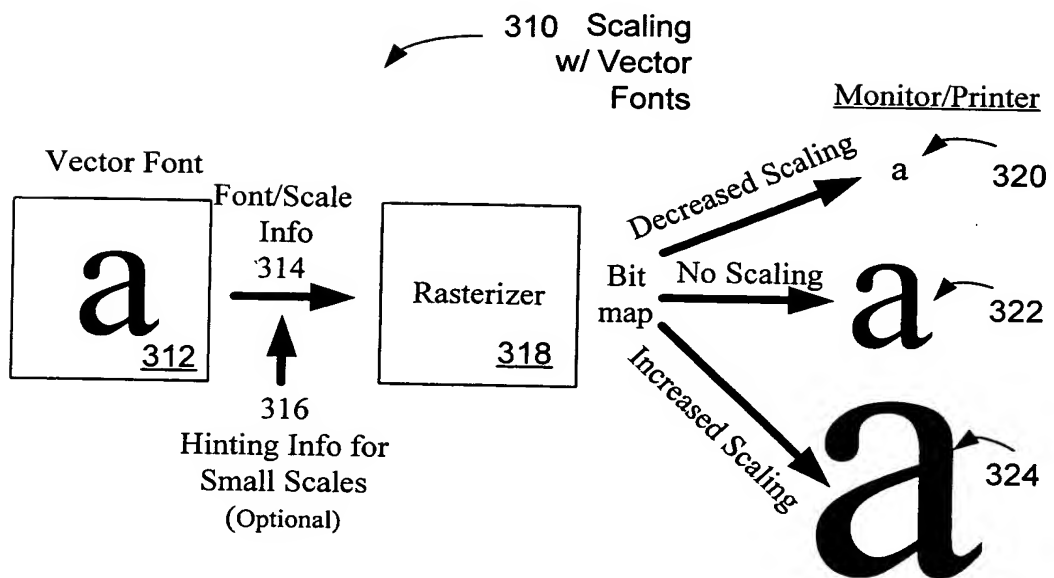
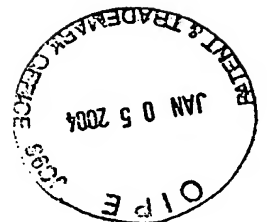


Figure 4B



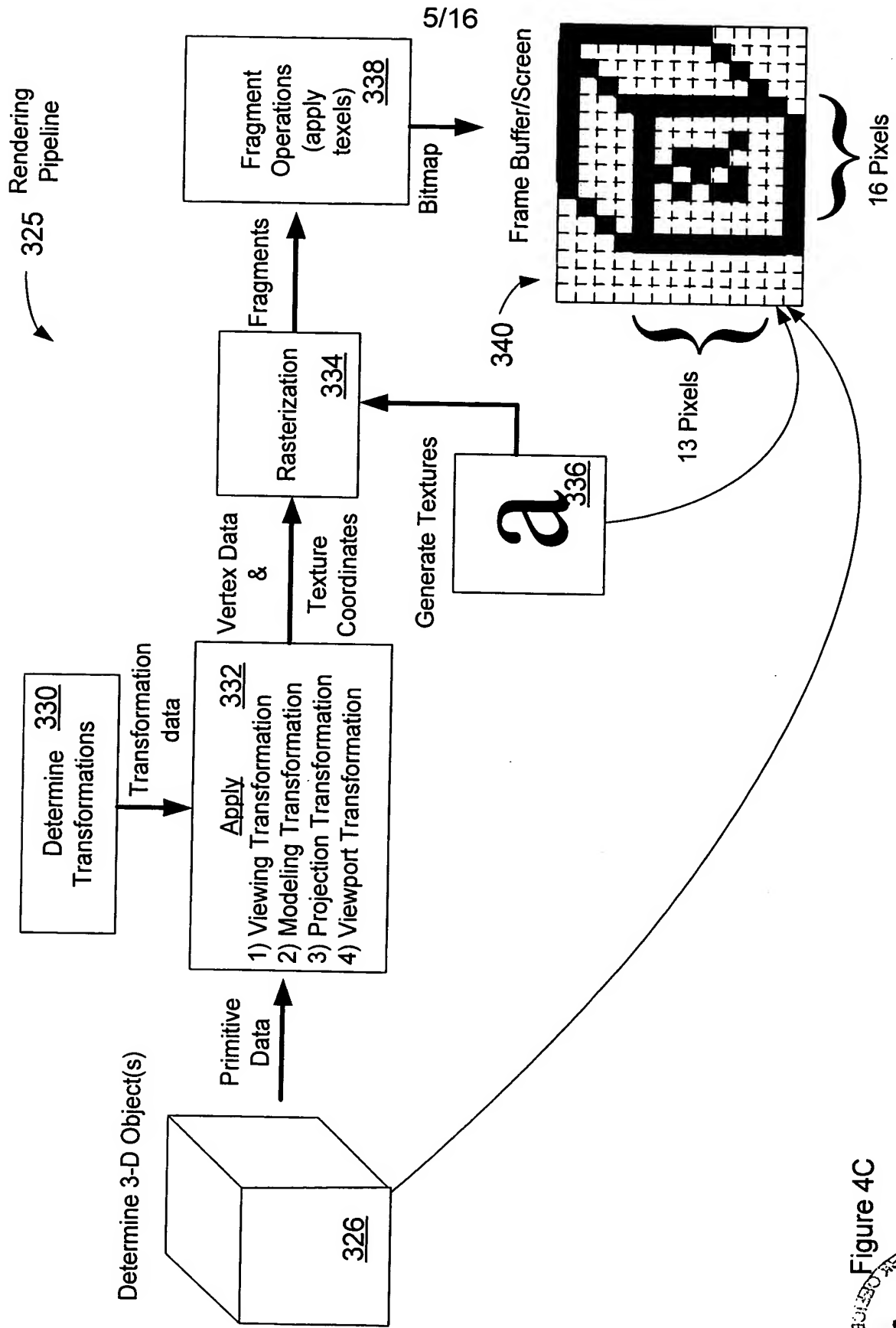


Figure 4C



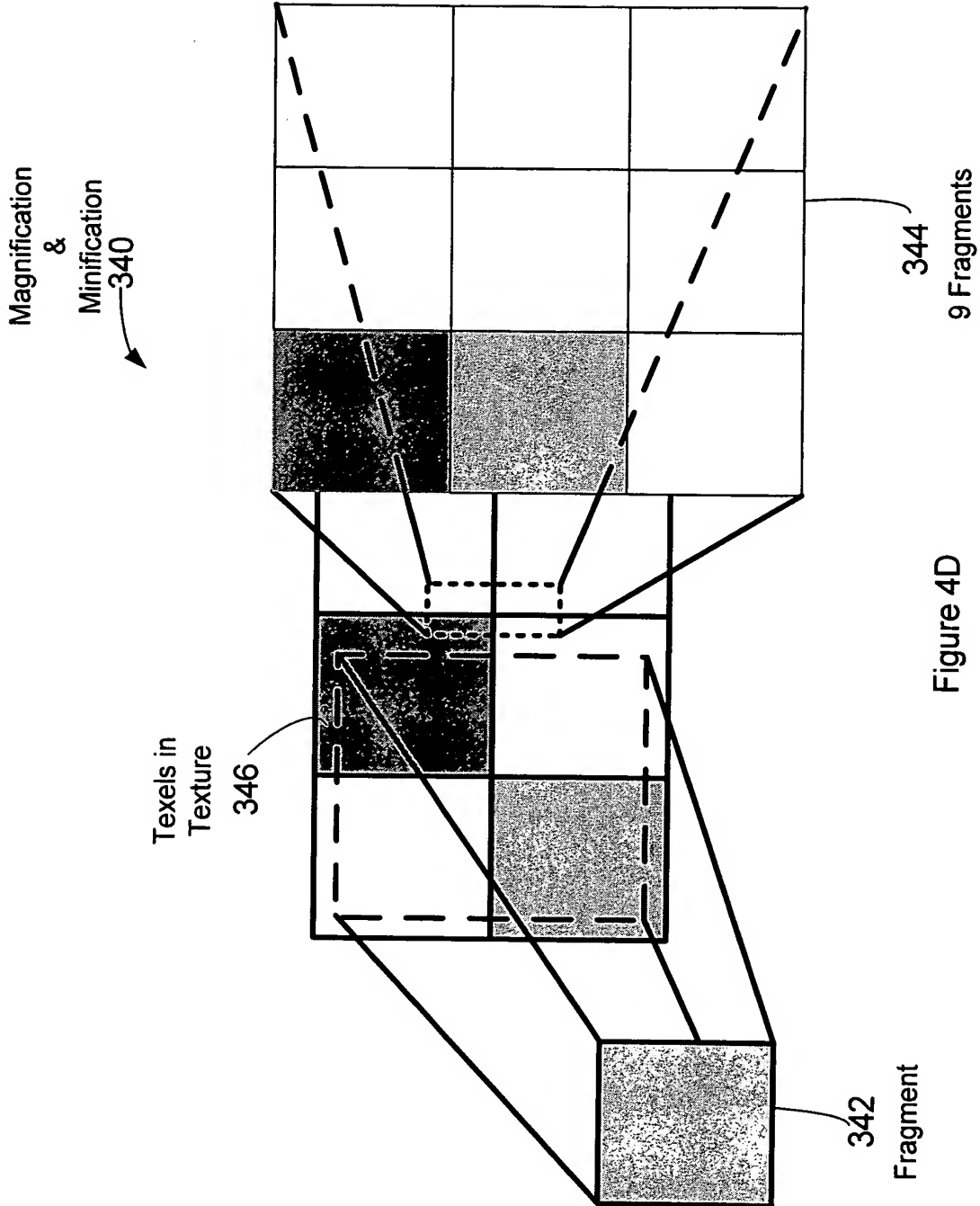


Figure 4D

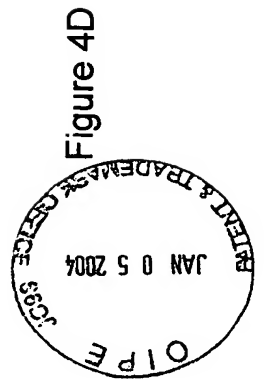


Figure 4D

7/16

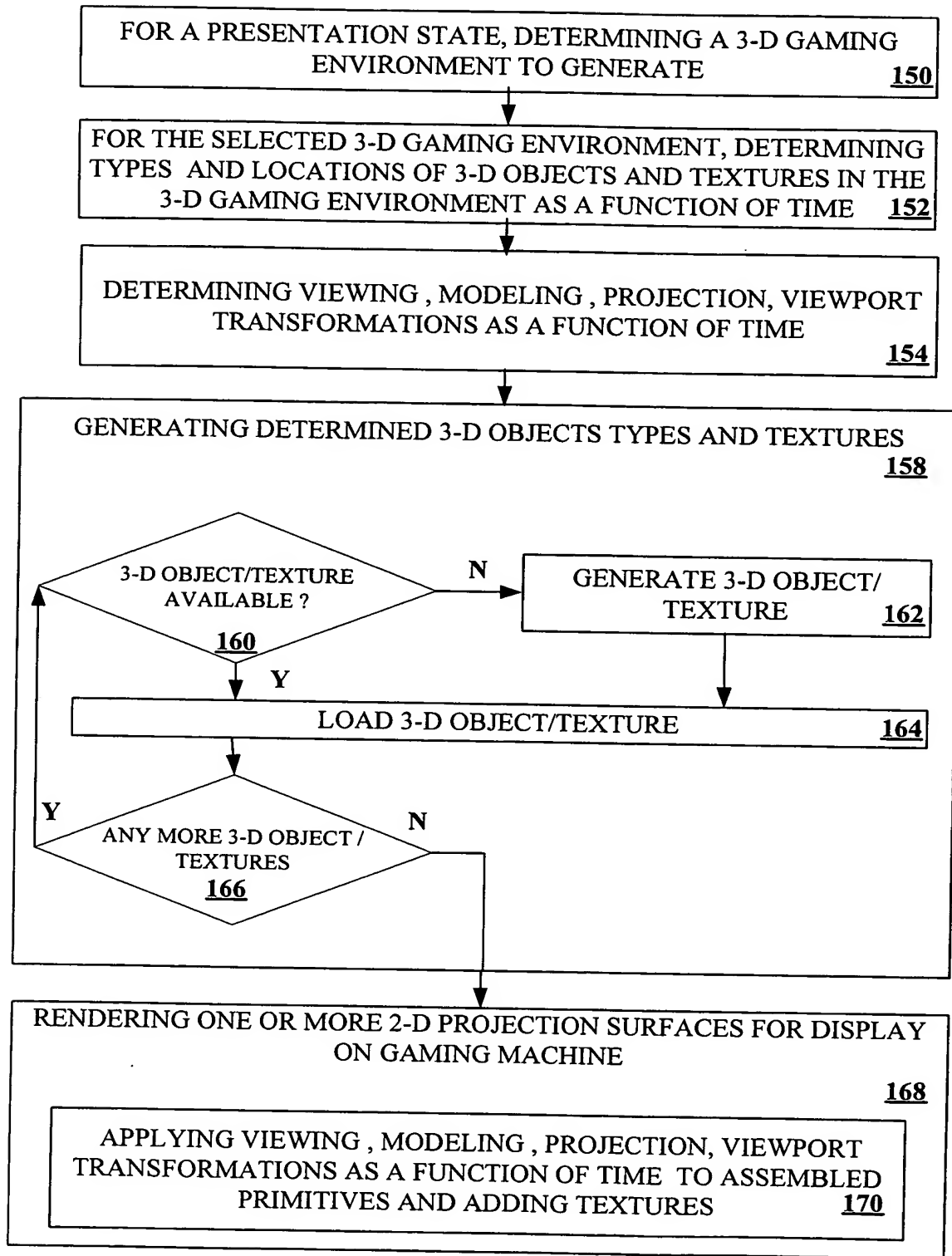


Figure 5A



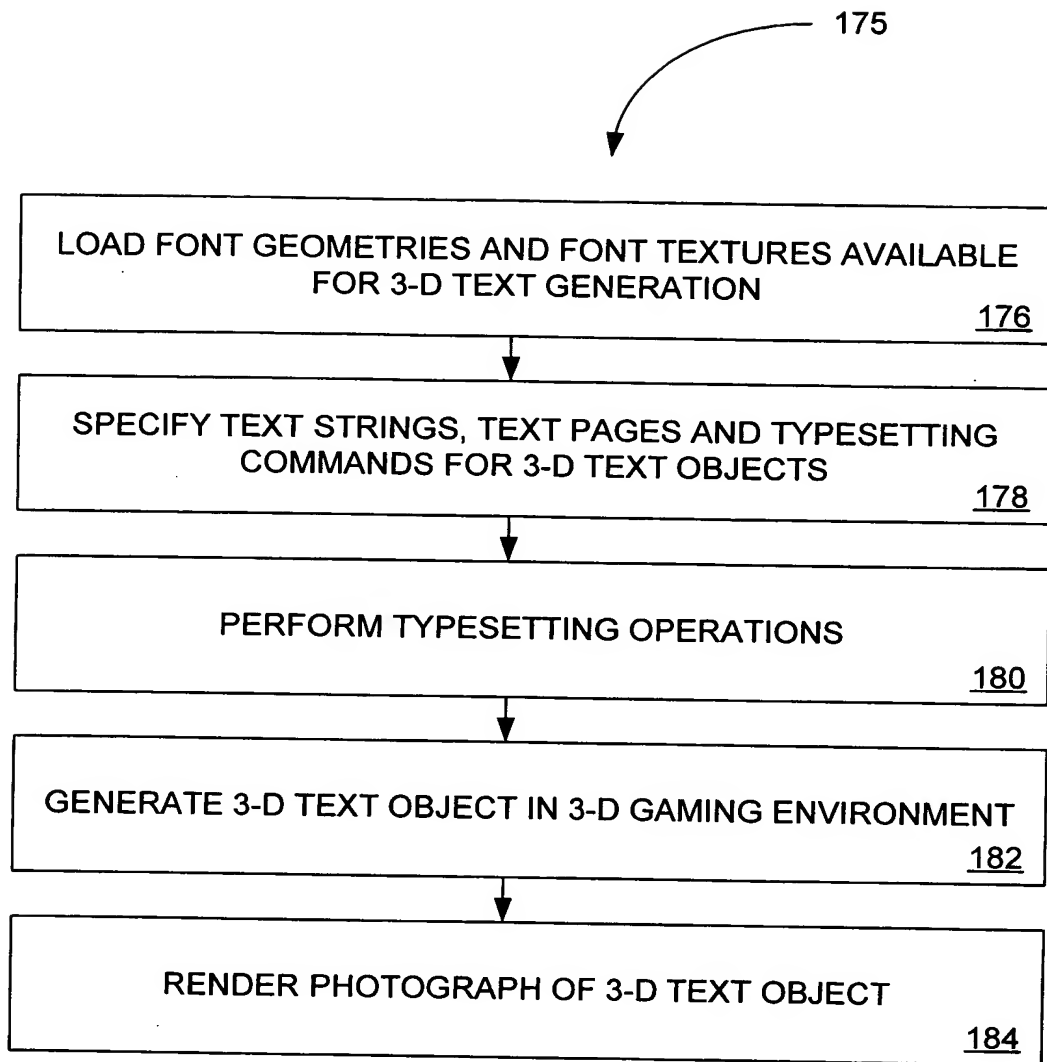
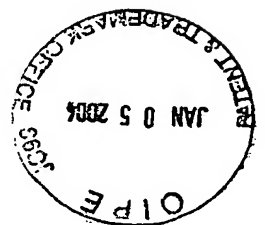


Figure 5B



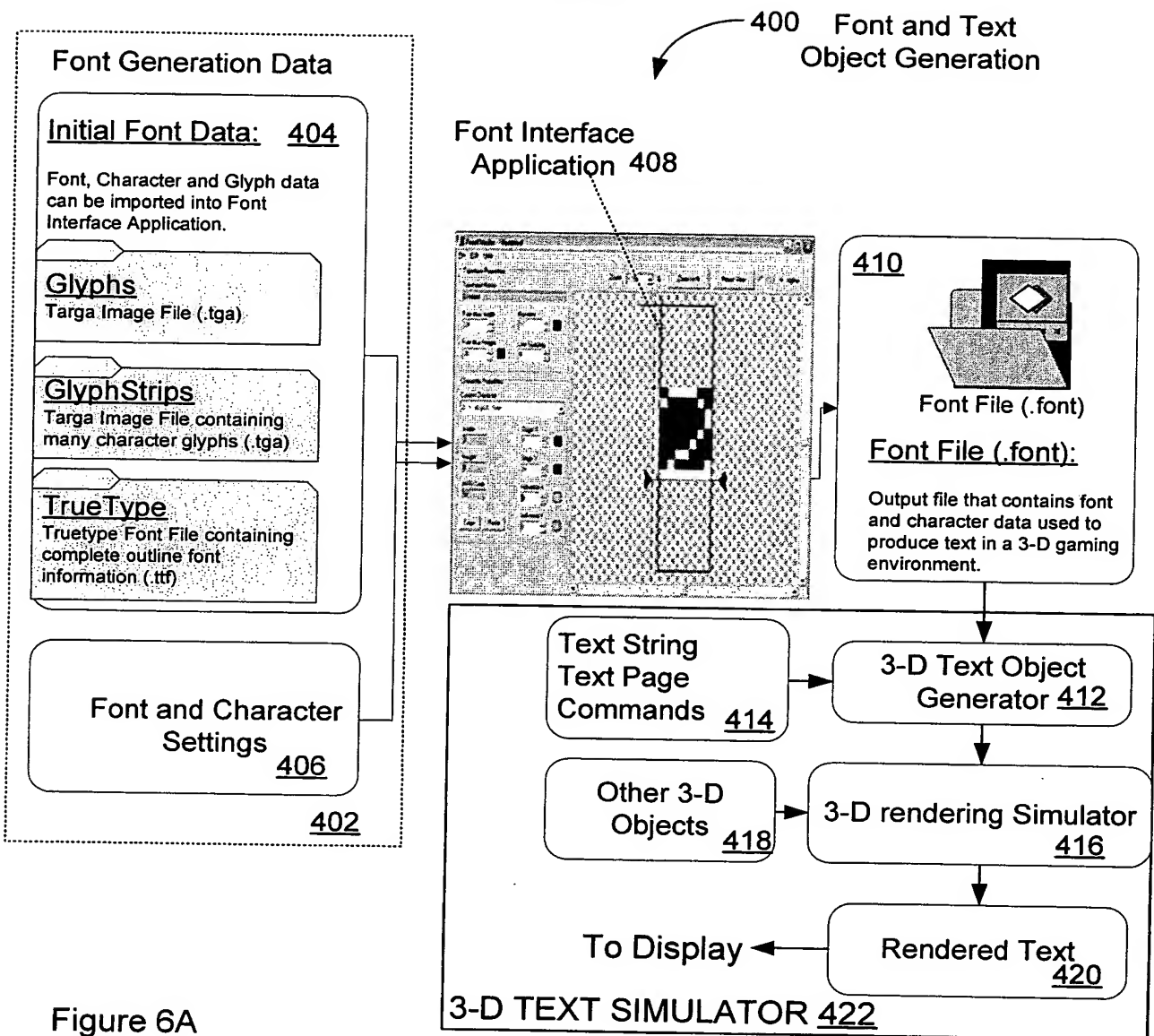


Figure 6A

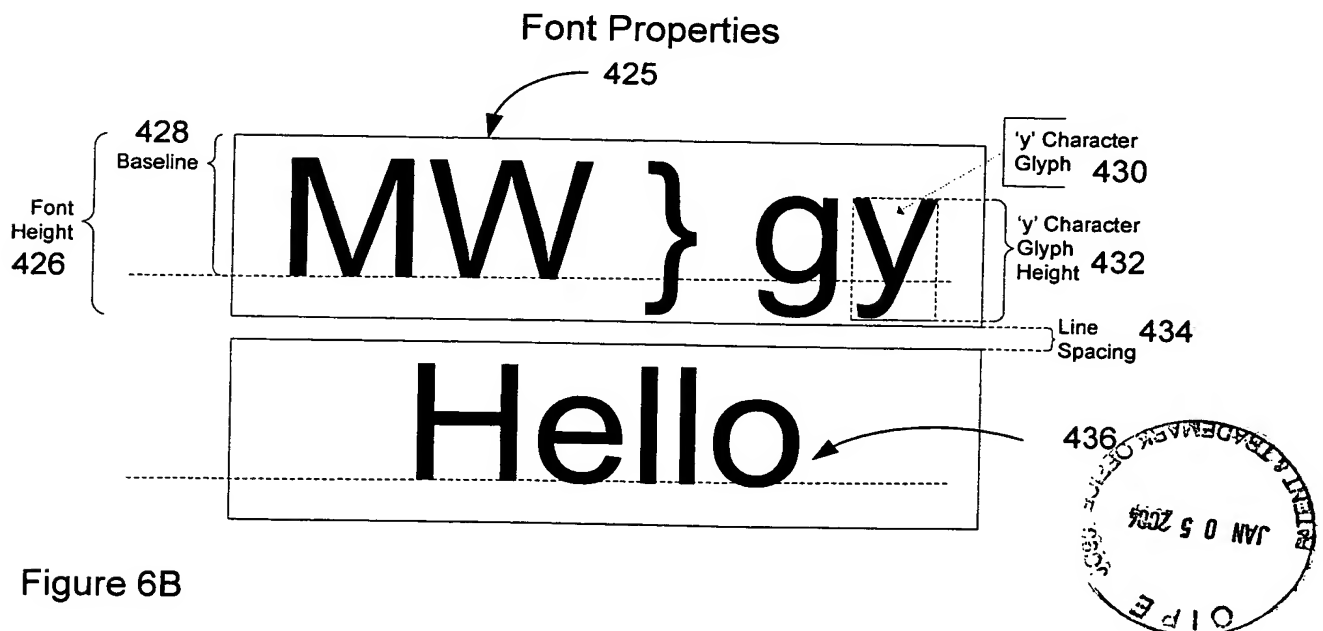


Figure 6B



10/16

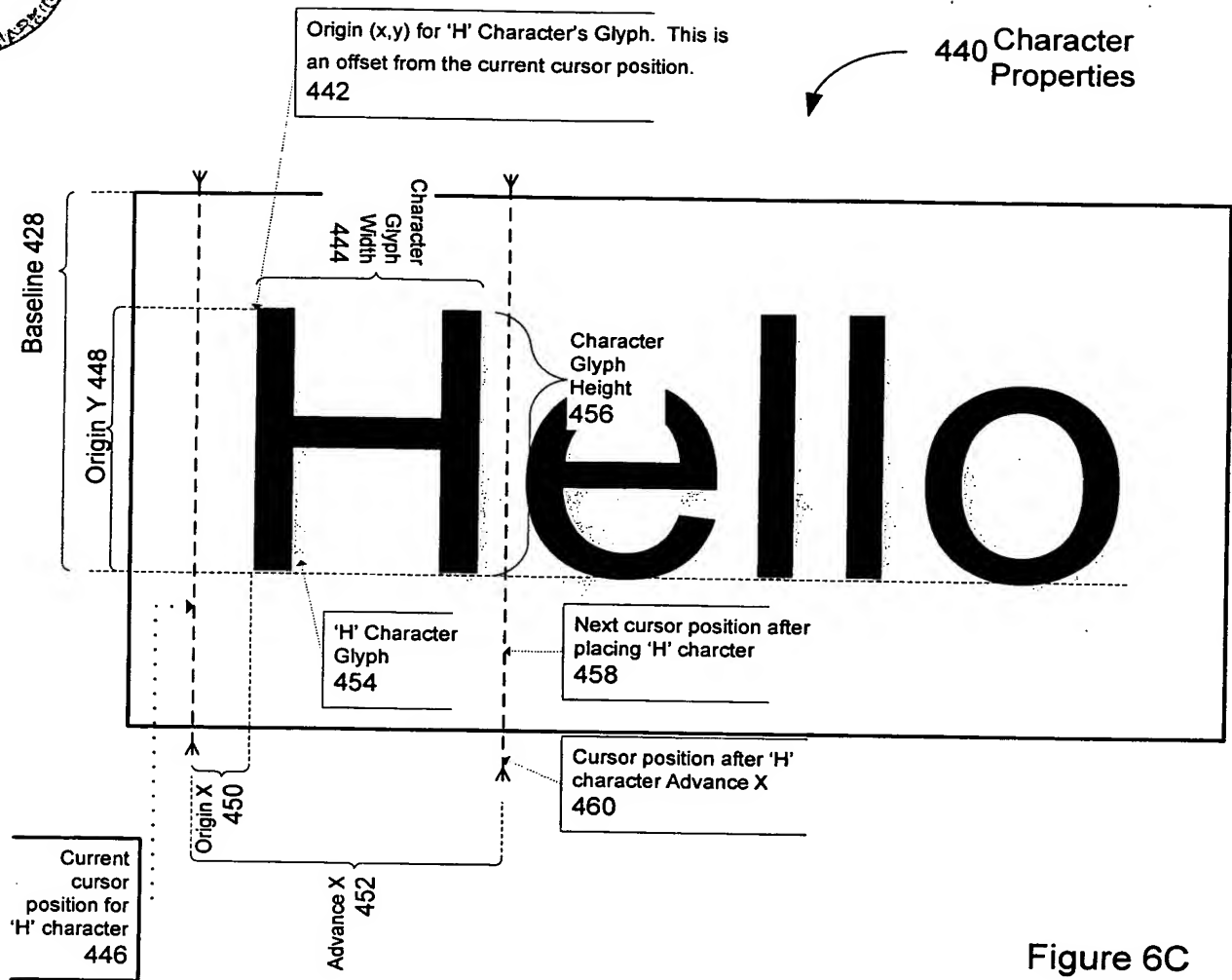


Figure 6C

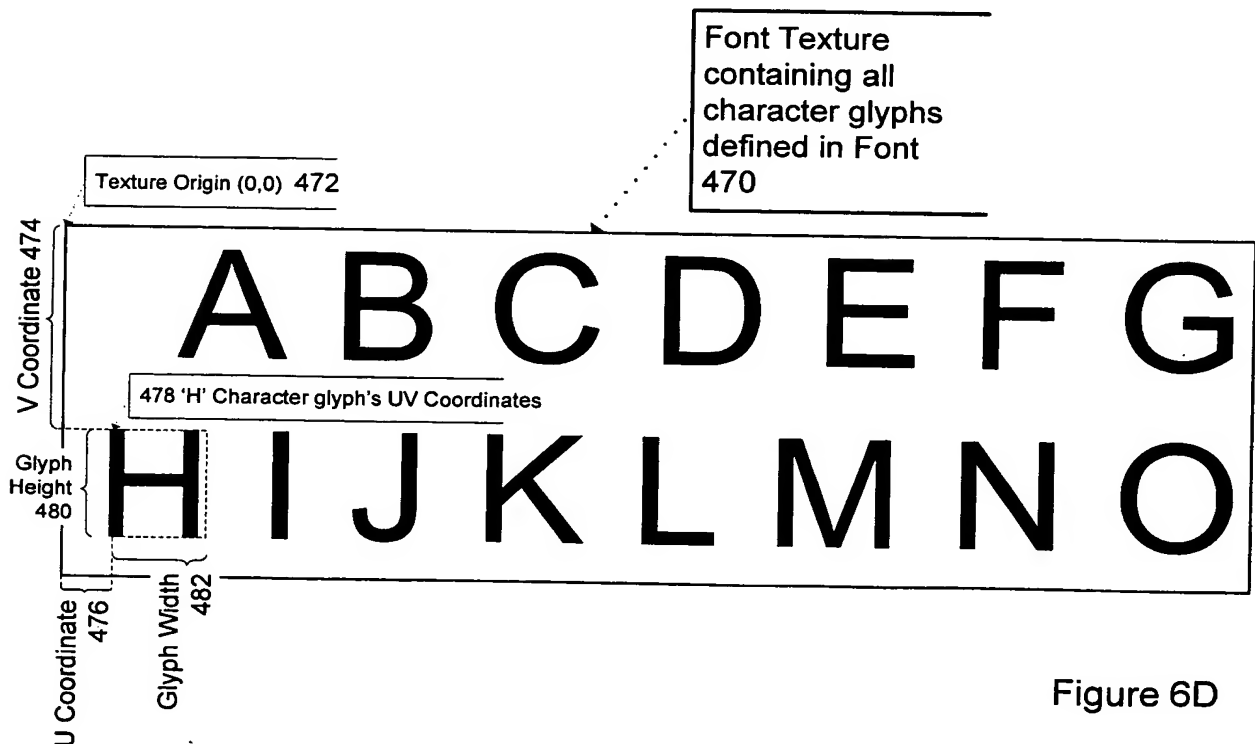


Figure 6D

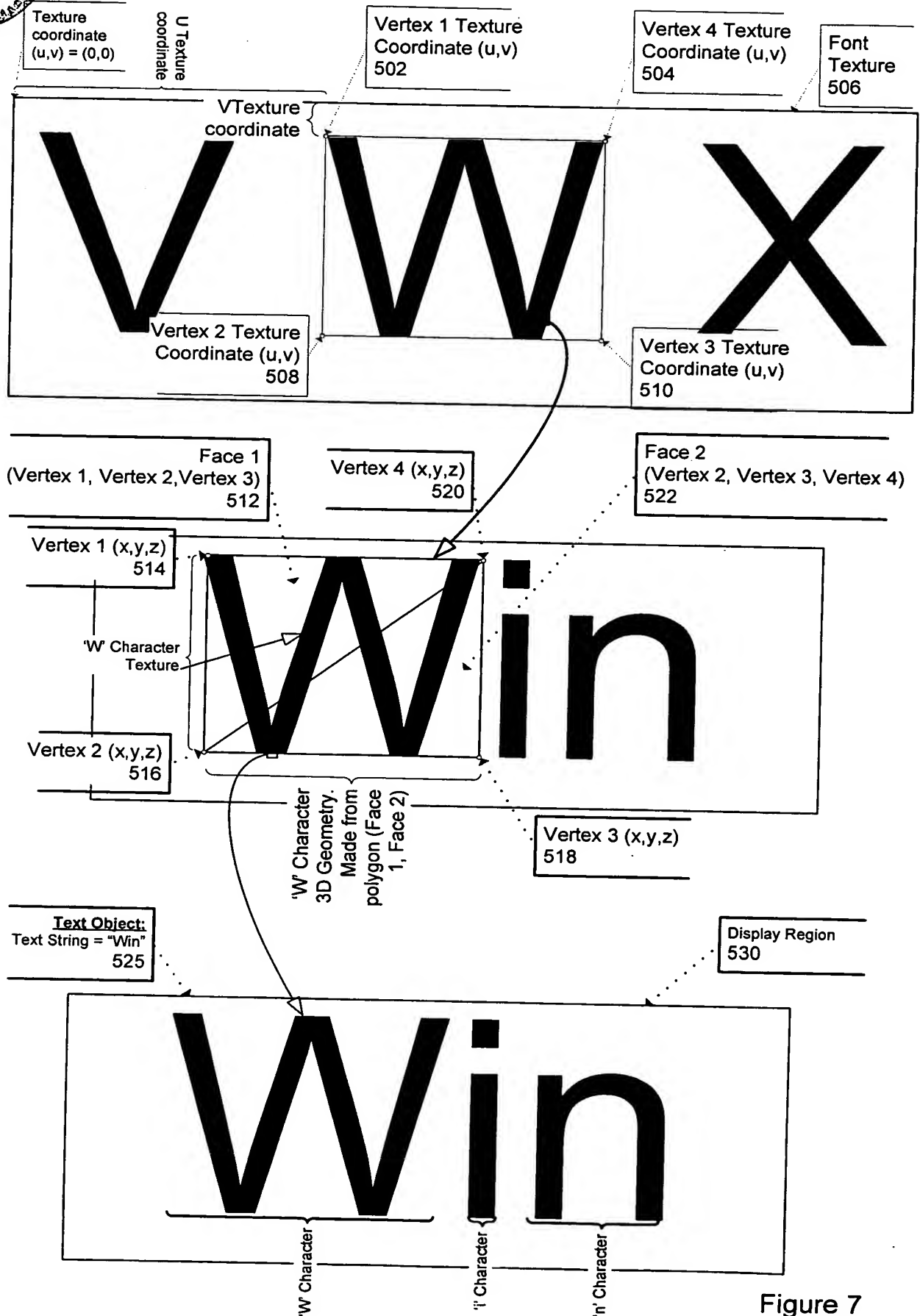


Figure 7



12/16

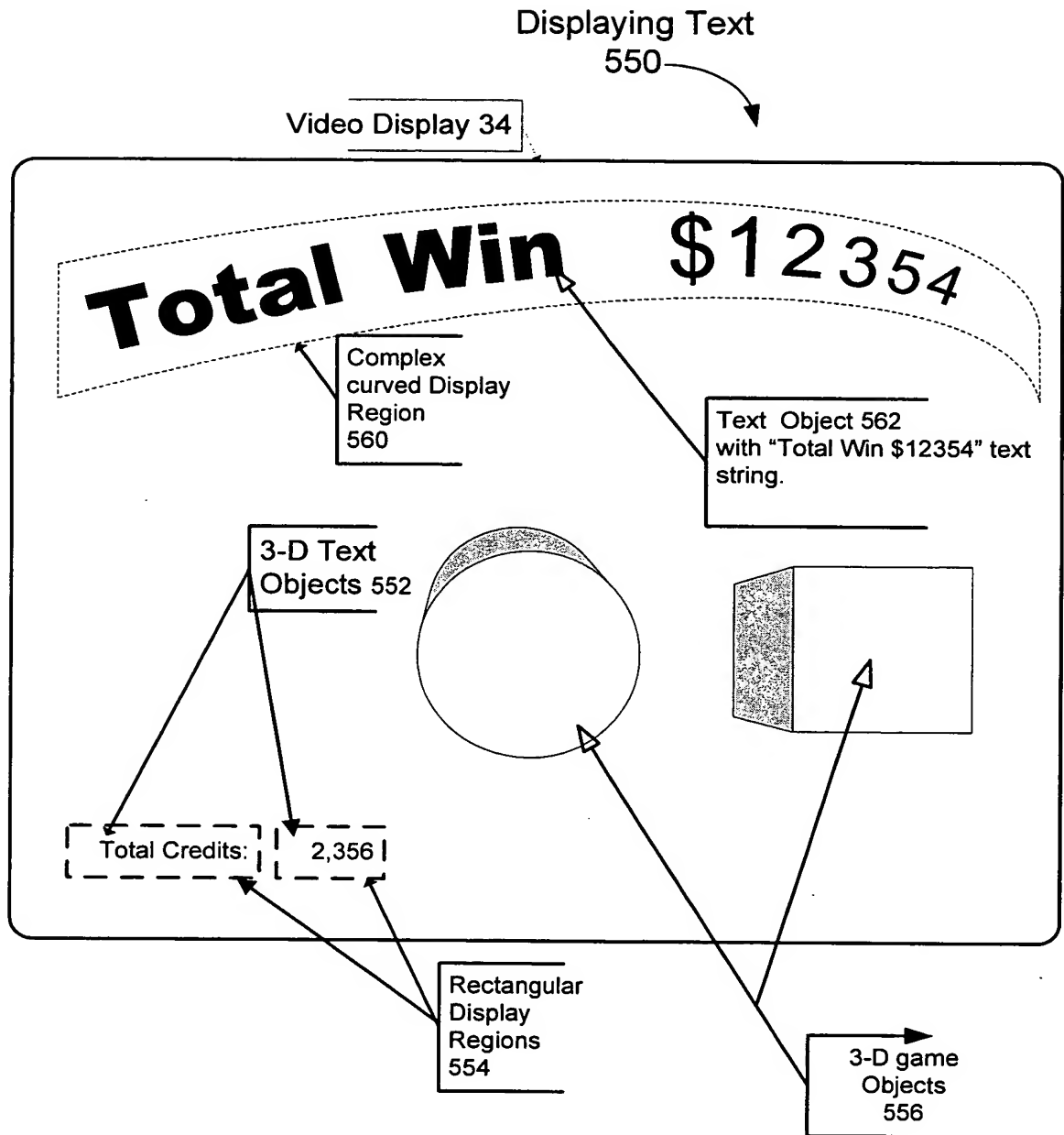


Figure 8A



13/16

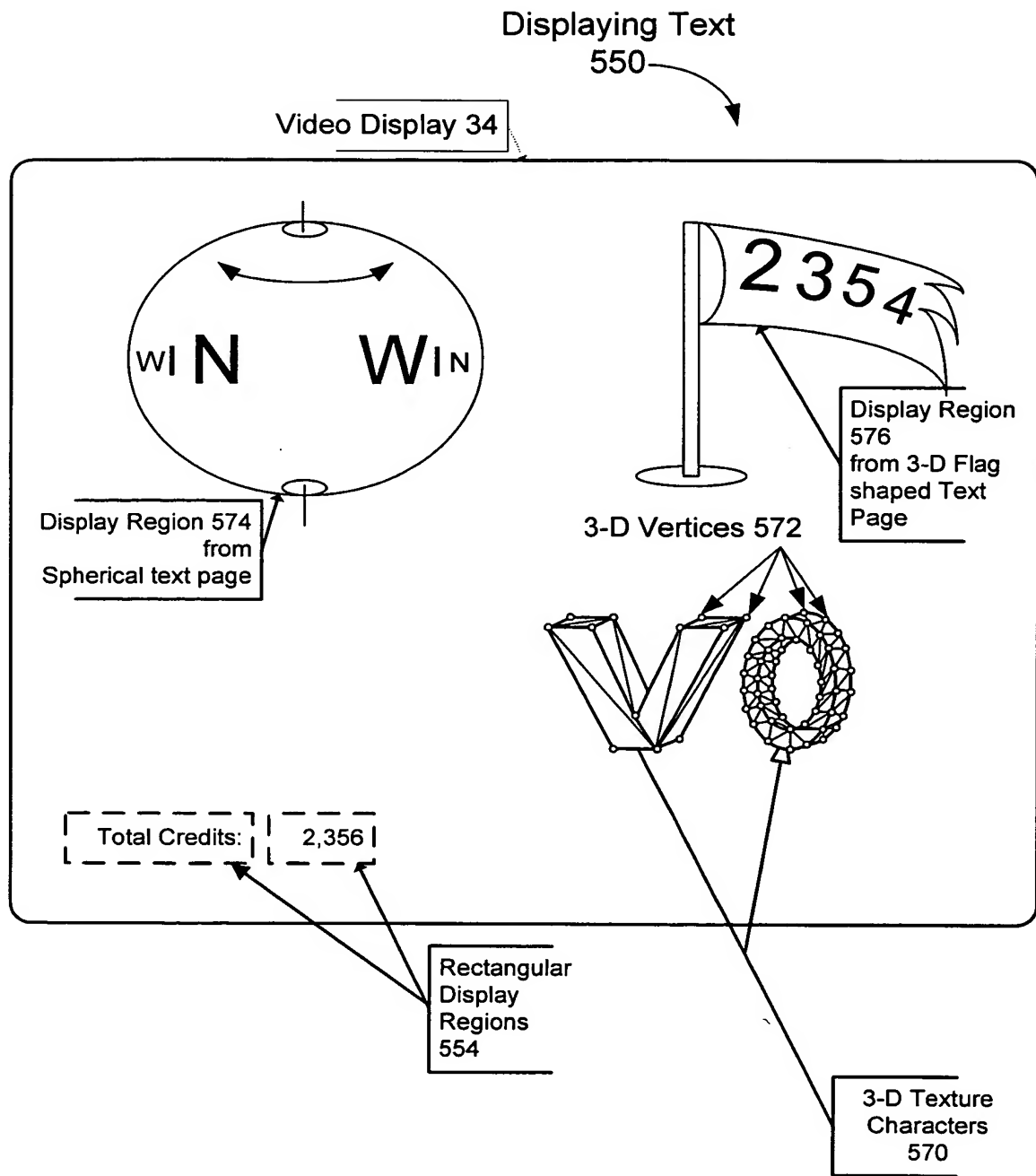


Figure 8B

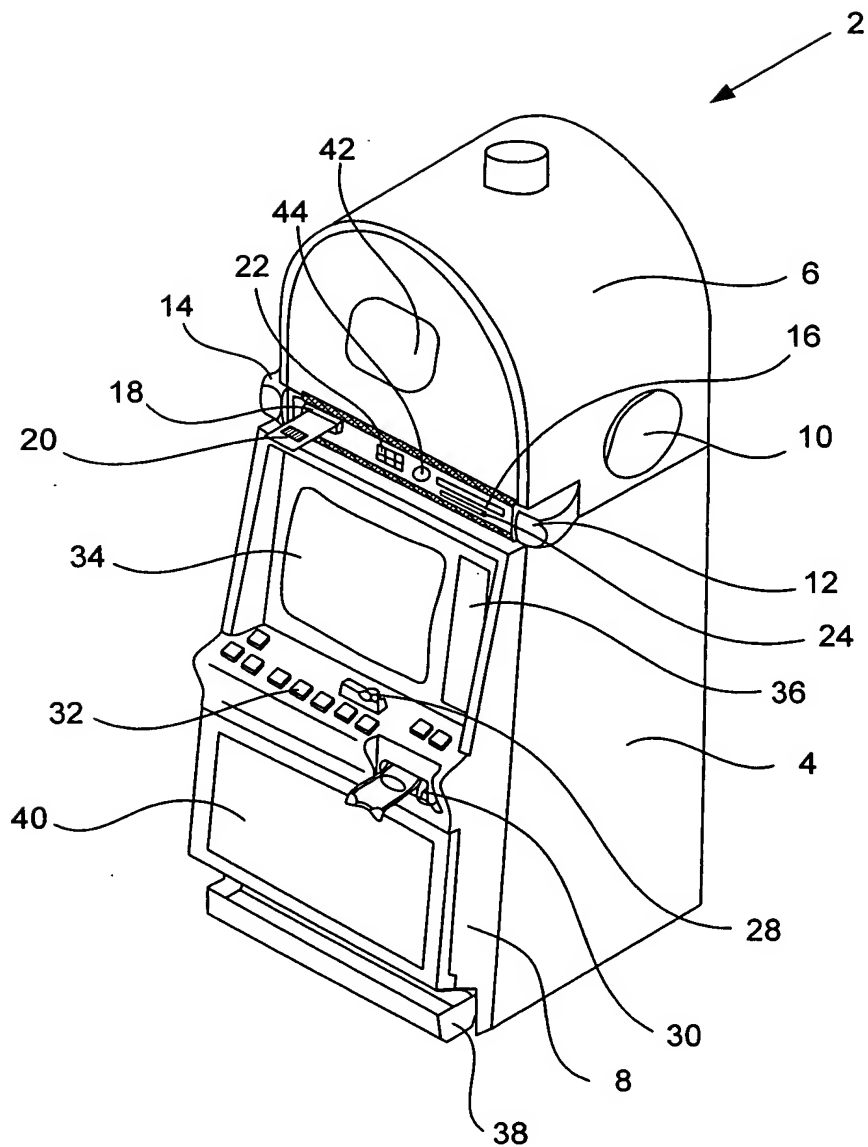


Fig. 9



15/16

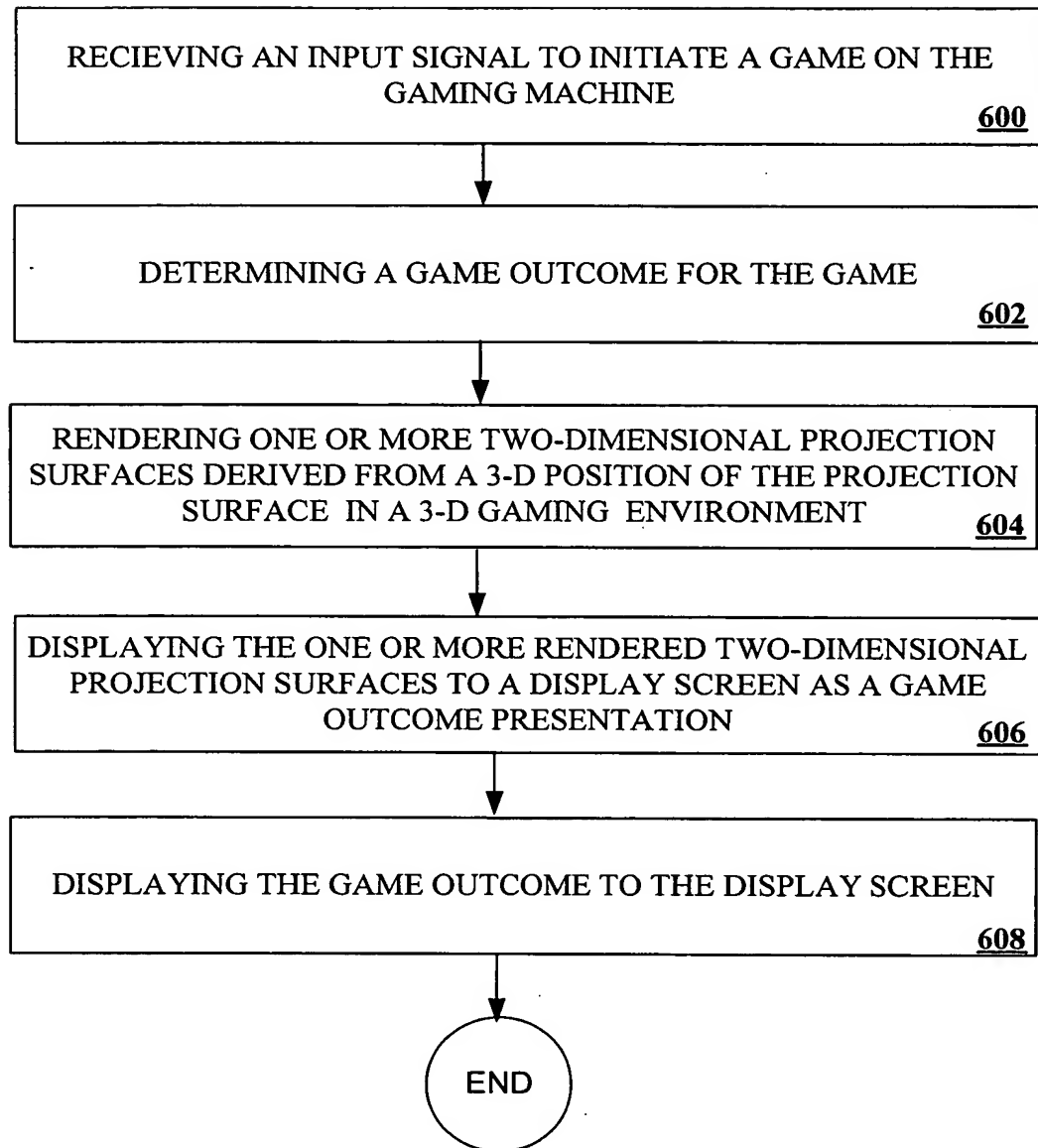


FIGURE 10

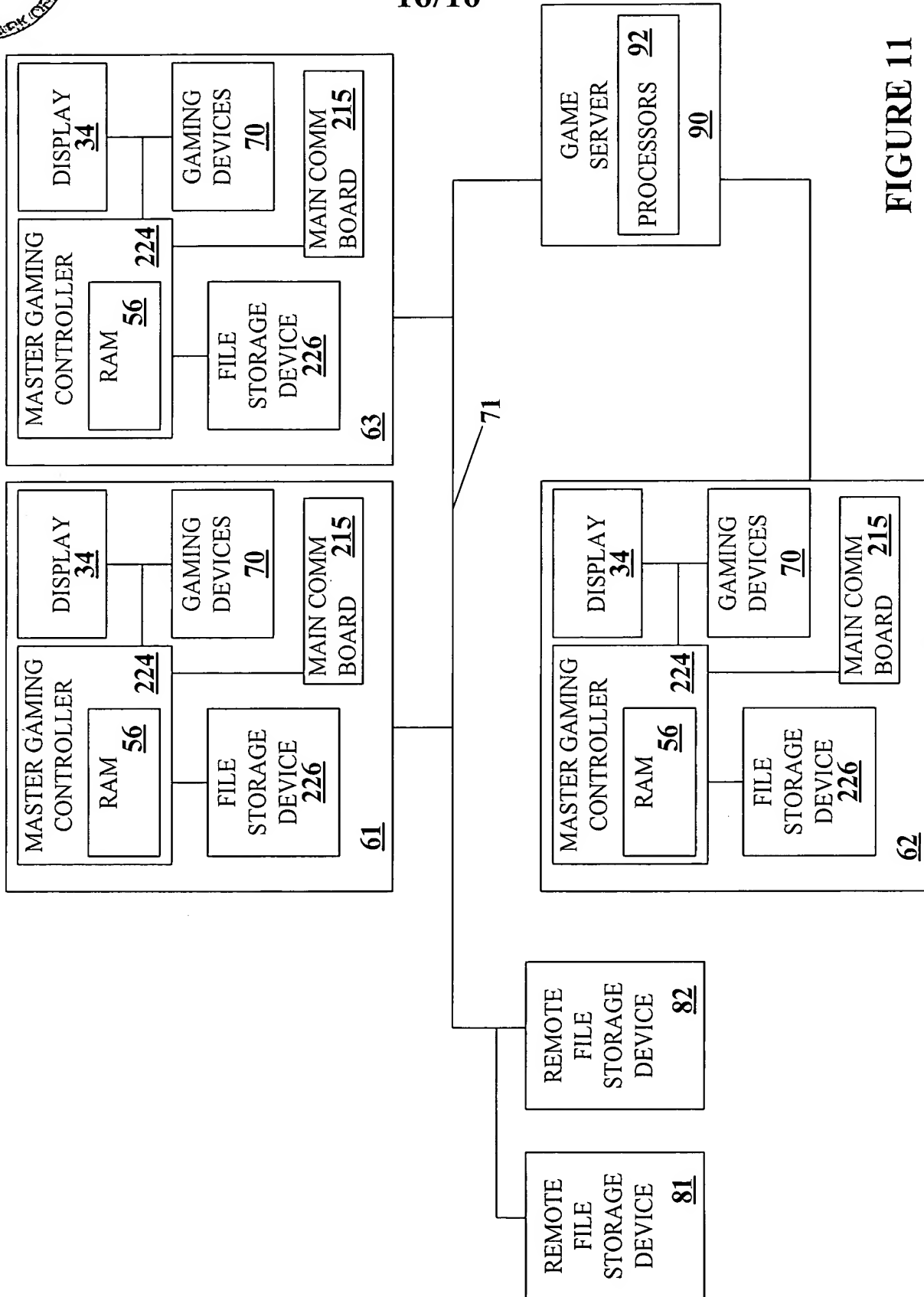


FIGURE 11